

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Stain Extinguisher - Aerosol  
Product Number: C190, C190-AUS, C190-UK,  
C190-MEX, C196  
Synonyms: Spot Remover - Aerosol, Stain  
Eliminator - Aerosol  
CAS Number: Blend



### Company Identification

Harris Research, Inc.  
1530 North 1000 West  
Logan, UT 84321 USA  
1-435-755-0099 (For product information)  
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Chemical Name</u>                              | <u>Amount</u>  | <u>CAS Number</u> |
|---------------------------------------------------|----------------|-------------------|
| 1-METHOXY-2-PROPANOL                              | 1.0 - 5.0 %    | 107-98-2          |
| DIPROPYLENE GLYCOL MONOMETHYL ETHER               | 1.0 - 5.0 %    | 34590-94-8        |
| WATER                                             | 60.0 - 100.0 % | 7732-18-5         |
| STYRENE MALEIC ANHYDRIDE RESIN, CUMENE END CAPPED | 1.0 - 5.0 %    | 52720-34-0        |
| DIMETHYL ETHER (PROPELLANT)                       | 10.0 - 30.0 %  | 115-10-6          |

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

## 3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
* CAUTION
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\* Harmful if swallowed. \*

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HMIS Rating - Health: 1  
Flammability: 2  
Reactivity: 0

NFPA Rating - Health: 1  
Flammability: 2  
Reactivity: 0

#### POTENTIAL HEALTH EFFECTS

##### EYE:

May cause temporary eye irritation.

##### SKIN:

Prolonged or repeated exposure may cause irritation.

##### INHALATION:

Inhalation of high vapor concentrations may result in headaches, nausea, vomiting and coma. Prolonged exposure may cause unconsciousness or death.

##### INGESTION:

Swallowing the liquid may result in vomiting.

## 4. FIRST AID MEASURES

##### EYE CONTACT FIRST AID:

Flush eye with water for 15 minutes. Get medical attention if irritation develops or persists.

##### SKIN CONTACT FIRST AID:

Wash skin with soap and water. Wash clothing before reuse.

##### INHALATION FIRST AID:

If inhaled, remove to fresh air.

##### INGESTION FIRST AID:

Induce vomiting. Call a physician or poison control center immediately.

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

TCC Flash Point: > 100 C (> 212.0 F)  
Autoignition Temperature: N/A

### FLAMMABLE LIMITS IN AIR

LEL: %  
UEL: %

### FLAMMABLE PROPERTIES:

Aqueous solution in a flammable propellant (flashpoint = -42 F).

### EXTINGUISHING MEDIA:

Foam, water fog, dry chemical.

### FIRE & EXPLOSION HAZARDS:

Temperatures above 130F may cause cans to burst.

### FIRE FIGHTING INSTRUCTIONS:

Containers can build up pressure if exposed to heat (fire). Contact emergency personnel as necessary.

### MISCELLANEOUS:

Water spray may be used to cool cans in the vicinity of fire or excessive heat.

## 6. ACCIDENTAL RELEASE MEASURES

### SAFEGUARDS (PERSONNEL):

Eliminate all sources of ignition - heat, sparks, flame. Wear safety goggles. Ventilate spill area.

### INITIAL CONTAINMENT:

Absorb spills with inert material. Eliminate all sources of ignition - heat, sparks, flame. Allow propellant to evaporate.

### LARGE SPILLS PROCEDURE:

Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e g, dry sand or earth), then place in a chemical waste container.

### SMALL SPILLS PROCEDURE:

Absorb spills with inert material.

## 7. HANDLING AND STORAGE

### HANDLING (PERSONNEL):

Use with adequate ventilation. Avoid contact with eyes, skin, and clothing.

### HANDLING (PHYSICAL ASPECTS):

Provide appropriate ventilation. Eliminate all sources of ignition - heat, sparks, flame. Avoid extreme temperatures.

### STORAGE PRECAUTIONS:

Store in a well ventilated place. Keep away from sources of ignition. Avoid extreme temperatures.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EYE / FACE PROTECTION REQUIREMENTS:

Wear safety glasses.

### SKIN PROTECTION REQUIREMENTS:

Wash hands thoroughly after handling. For brief contact, normal work attire should be sufficient.

### EXPOSURE GUIDELINES:

#### Dipropylene glycol monomethyl ether

OSHA PEL: 100 ppm

ACGIH TWA: 100 ppm

OSHA STEL: 150 ppm

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM .....: Aerosol  
COLOR .....: Light Amber  
ODOR .....: Slight  
BOILING POINT .....: >100 F  
SOLUBILITY IN WATER ...: soluble  
SPECIFIC GRAVITY .....: 1.0 (Water = 1)  
PH .....: 7-8  
% VOLATILES .....: 97 %

## 10. STABILITY AND REACTIVITY

### STABILITY:

Stable at room temperature.

(section 10 continued)

**POLYMERIZATION:**

Hazardous polymerization will not occur.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

Oxidizers.

**DECOMPOSITION:**

Oxides of carbon and nitrogen.

**CONDITIONS TO AVOID:**

Temperatures above 130F.

## 11. TOXICOLOGICAL INFORMATION

**Stain Extinguisher - Aerosol**

Test Code: Acute oral LD50

Species: Rats

Results: >5 g/kg

## 12. ECOLOGICAL INFORMATION

**Styrene maleic anhydride resin, cumene end capped**

Test Code: EC50

Species: Daphnia magna

Results: 1990 mg/L 24H

## 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:**

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

## 14. TRANSPORTATION INFORMATION

PRODUCT LABEL.....: Stain Extinguisher - Aerosol

D.O.T. SHIPPING NAME...: Consumer commodity

D.O.T. HAZARD CLASS....: ORM-D

**MISCELLANEOUS:**

DOT Exception: 49CFR 173.156.

(section 14 continued)

IATA Shipping Classification.

Proper Shipping Name: Aerosols, flammable Hazard Class: 2.1.

ID No.: UN1950 Label: Flammable gas.

IMO/IMDG Shipping Classification.

Proper Shipping Name: Aerosols (maximum 1 litre). Hazard Class: 2.

ID No.: UN1950.

EmS No.: 2-13.

## 15. REGULATORY INFORMATION

### REGULATORY LISTS SEARCHED:

|                               |                                |
|-------------------------------|--------------------------------|
| 01=SARA Title III Section 302 | 02=SARA Title III Section 313  |
| 03=RCRA Hazardous Waste Codes | 04=CERCLA Hazardous Substances |
| 05=Clean Air Act              | 06=California Prop. 65         |
| 07=Florida Right-to-Know      | 08=Massachusetts Right-to-Know |
| 09=New Jersey Right-to-Know   | 10=Pennsylvania Right-to-Know  |

### REGULATORY DISCLOSURES:

Dimethyl ether is on the following state lists: Florida, Massachusetts, and Pennsylvania.

### EEC Symbols and Indications of Danger:

None

### S-Phrases:

S15 - Keep away from heat.

### WHMIS Hazard Symbols:

Class A - Compressed Gas



### Canadian Disclosure List

1-methoxy-2-propanol (107-98-2)  
Dipropylene glycol monomethyl ether (34590-94-8)

(section 15 continued)

**Clean Air Act - Section 112**

1-methoxy-2-propanol (107-98-2)

**MISCELLANEOUS INFORMATION:**

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

**16. OTHER INFORMATION**

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Approval Date.....: May 24, 2002  
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**END OF MSDS**  
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